

✓ Appl. No. 09/549,559
Amdt. Dated March 16, 2005
Reply to Office action of December 28, 2004
Attorney Docket No. P11914-US1
EUS/J/P/05-1073

REMARKS/ARGUMENTS

1.) Claim Amendments

The Applicant has amended claims 30-34. Applicant respectfully submits no new matter has been added. Claims 30-34 remain pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

2.) Examiner Objections – Drawings

The Examiner objected to the drawings as failing to show every feature of the invention specified in the claims. Specifically, the Examiner stated that "one or more antennas" cited in claims 30 and 31 must be shown in the figures or cancelled from the claims, and that Figure 2 does not correspond to claim 30 or 31 to show the method of the invention cited in the claims. The Applicants traverse the objection.

First, with respect to the recitation of "one or more antennas" in claims 30 and 31, the Applicants are not claiming antennas as a feature of their invention; rather, the invention is directed to a method in which a signal is "received from" one or more antennas. Thus, whereas such antennas are not explicitly claimed as an element of Applicants' invention, it is not necessary that such feature be illustrated. Moreover, the receipt of a radio-frequency signal through an antenna is so well known to those skilled in the art, such a conventional feature need not be illustrated. See 37 C.F.R. §1.83(a). Second, with respect to the Examiner's objection to Figure 2, those skilled in the art can readily understand from the illustration therein, when taken in conjunction with the detailed description thereof, the steps recited in claims 30 and 31. The Applicants, therefore, respectfully request that the Examiner withdraw the objections to the drawings.

3.) Examiner Objections – Specification

The Examiner objected to the specification because of several informalities. The Applicants have amended the specification as suggested by the Examiner. The

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Examiner's consideration of the amendments to the specification is respectfully requested.

4.) Examiner Objections - Claims

The Examiner objected to claims 30-34 because of certain informalities. The Applicant has made amendments to the claims based on the suggestions of the Examiner. The Examiner's reconsideration of the amended claims is respectfully requested.

5.) Claim Rejections-35 U.S.C. §112

The Examiner rejected claims 30-34 as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicants regard as the invention, citing the lack of antecedent basis for certain claim elements. The Applicants have made amendments to the claims as noted by the Examiner, with the following exceptions.

First, the claim term "the distorted desired signal" is preceded, in the claim preamble, by the phrase "a desired signal having in addition to noise and interference been distorted." (emphasis added) Thus, if a desired signal has been distorted, it is then a distorted desired signal. Thus, the claim term "the distorted desired signal" does not lack antecedent basis.

Second, the Examiner asserts that the claim term "an equation" is undefined. The Applicants invention, however, is not dependent on a specific equation for the received signal, but only that such equation is formed, as a function of the desired signal distorted by the communication channel and the noise and interference component, by utilizing the real and imaginary parts and noise and interference components obtained in the prior steps. In view of the detailed description of how to form such equation, those skilled in the art will readily understand the claimed invention.

Accordingly, the Applicants respectfully request that the Examiner withdraw the rejection of claim 30-34 as being indefinite.

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6.) Allowable Subject Matter

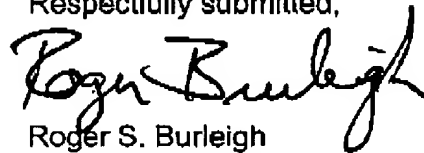
The Examiner stated that claims 30-34 would be allowable if rewritten or amended to overcome the rejections under section 112. As noted above, claims 30-34 have been amended in order to overcome the Examiner's objections and rejections. Therefore, the allowance of claims 30-34 is respectfully requested.

CONCLUSION

In view of the foregoing amendments and remarks, the Applicants believe all of the claims currently pending in the Application to be in a condition for allowance. The Applicants, therefore, respectfully request that the Examiner withdraw all rejections and issue a Notice of Allowance for claims 30-34.

The Applicants request a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,



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